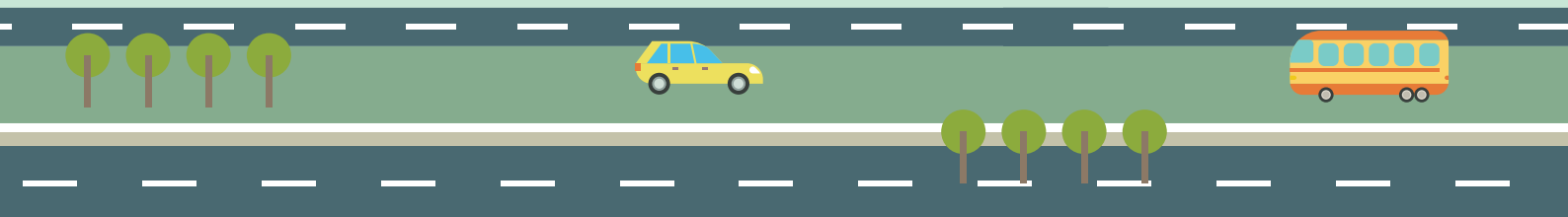




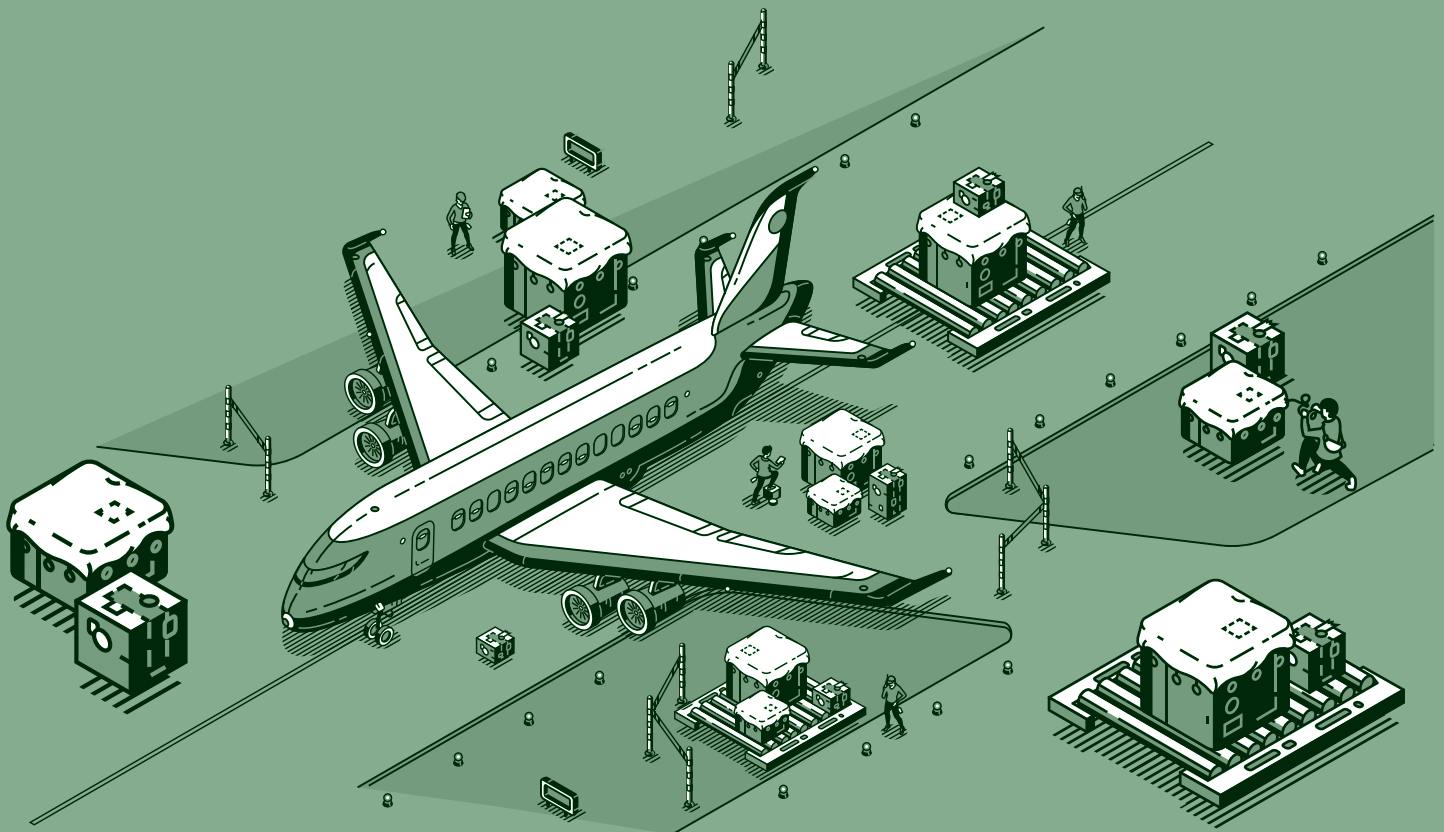
QUICK REVISION MODULE (UPSC PRELIMS 2022) GEOGRAPHY



AIR TRANSPORT



AIR TRANSPORT



AIR TRANSPORT IN INDIA: BEGINNING IN 1911 BETWEEN ALLAHABAD AND NAINI.

ORGANIZATIONAL SET-UP UNDER MINISTRY OF CIVIL AVIATION



DIRECTORATE GENERAL OF CIVIL AVIATION

Regulation of air transport services to/ from/ within India and for enforcement of civil air regulations, air safety, and airworthiness standards.



BUREAU OF CIVIL AVIATION SECURITY

Laying down standards and measures with respect to security of civil flights at international and domestic airports in India.



AIRPORTS ECONOMIC REGULATORY AUTHORITY OF INDIA

Regulate tariff, determine other airport charges for services rendered, and to monitor the performance standards of such airports.



AIRPORTS AUTHORITY OF INDIA

To accelerate the integrated development, expansion, and Modernization of the operational, terminal and cargo facilities at the airports.



AIR INDIA LTD

The premier flight carrier of India, and is one of the most extensive flight Service provider in India.



COMMISSION OF RAILWAY SAFETY

Deals with matters pertaining to safety of rail travel and train operation. Inspectorial, investigatory & advisory powers.



PAWAN HANS HELICOPTERS LIMITED

Provide Helicopter support services to the Oil Sector for its off- shore exploration, services in remote and hilly areas. Also, promotion of Travel and tourism.



KUWAIT, KW (KWI)

23.3%

MOSCOW, RU (SVO)

25.8%

CINCINNATI OH, US (CVG)

27.3%

HANGZHOU, CN (HGH)

20.8%

MUSCAT, OM (MCT)

23.8%

MUMBAI, IN (BOM)

18.1%

CAMPINAS, BR (VCP)

20.7%

CHENNAI, IN (MAA)

17.2%

JOHANNESBURG, ZA (JNB)

39.3%



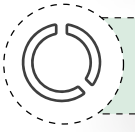
NAIROBI, KE (NBO)

18.0%





PIPELINE TRANSPORT



USAGE

- Used to supply water to cities, factories, etc.
- Transporting liquid materials mainly petroleum and its products, natural gas, slurry iron ore and coal and even milk.



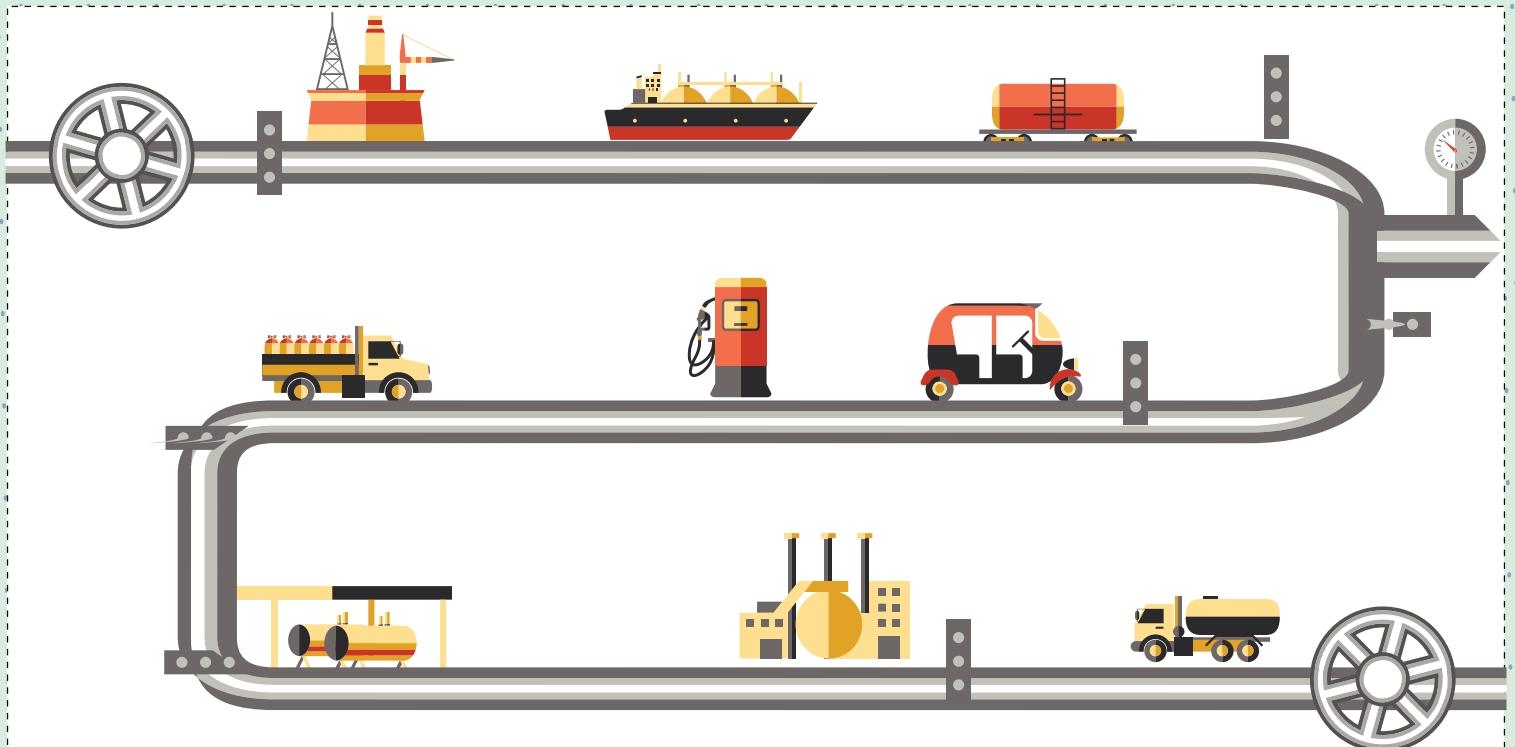
APPLICATION

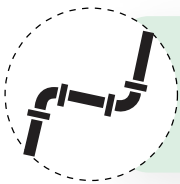
- Cheap means of transport.
- Maintenance expenditure is less.
- Even in inaccessible and undulating areas.
- Not affected by bad weather conditions, etc.





LIMITATION

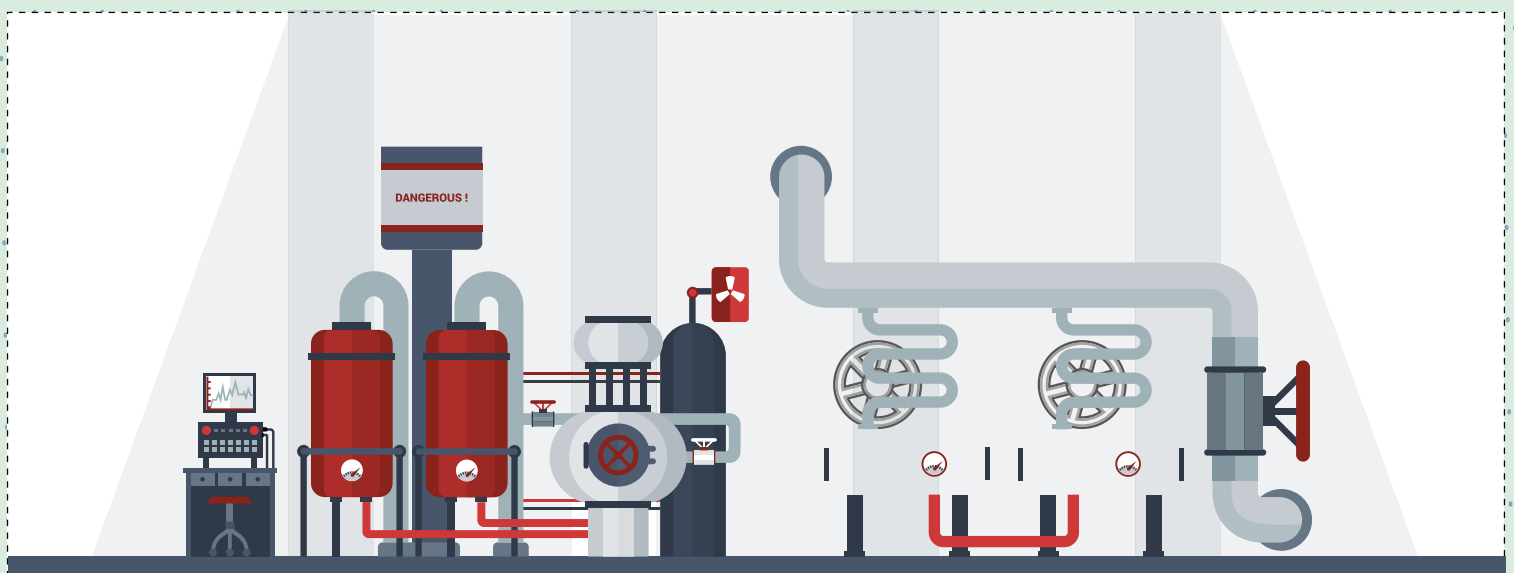
- Not flexible.
- Capacity cannot be increased once it is laid.
- Security arrangements.
- Repairing and detection of leakage.





PIPELINES IN INDIA

 PIPELINE	 AREAS SERVED
Naharkatia-Nunmati-Barauni Pipeline	Naharkatia oilfield to Nunmati. Now extended to Kanpur.
Mumbai High-Mumbai-Ankleshwar-Koyali Pipeline	Mumbai High and Gujarat with oil refinery at Koyali.
Salaya-Koyali-Mathura Pipeline	Salaya in Gujarat to Mathura in U.P. via Viramgram.
Hajira-Vijapur-Jagdishpur (HVJ) Gas Pipeline	Hazira in Maharashtra to Bijapur In M.P. and Jagdishpur in U.P.
Jamnagar-Loni LPG Pipeline	Connects Jamnagar in Gujarat to Loni near Delhi in U.P. and passes through the states of Gujarat, Rajasthan, Haryana and U.P.
Kandla-Bhatinda Pipeline	Transporting crude oil to the Proposed refinery at Bhatinda.



INDIA PIPELINES

